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DERWENT-ACC-NO: 1997-066805

DERWENT-WEEK: 199707

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TITLE: Automatic transmission gear control
arrangement for
actuators and heat
includes temperature
driving actuators,
housing of transmission
vehicle - has electro-hydraulic
resistive circuit board, which
sensor and electrical components for
forming module integrated with

PATENT-ASSIGNEE: SIEMENS AG [SIEI]

PRIORITY-DATA: 1995DE-2013950 (August 30, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	
LANGUAGE	PAGES	MAIN-IPC
DE 29513950 U1	007	January 9, 1997
	F16H 061/00	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
DE 29513950U1	N/A	
1995DE-2013950	August 30, 1995	

INT-CL (IPC): B60K041/06, F16H061/00

ABSTRACTED-PUB-NO: DE 29513950U

BASIC-ABSTRACT:

The gear controller (1) is integrated with the housing of the gear transmission and is provided with electrohydraulic actuators (3) for actuating switching elements of the transmission, as well as with a circuit board (5) carrying

electronic and electrical components (6) for driving the actuators. A base-plate (2) is designed as a carrier plate for at least one part of the electrohydraulic actuators.

The circuit board is made of a heat resistive material and forms, together with the components arranged on it, an electronic module (4), fixed on the base plate. A temp. sensor (8) and pref. a pressure sensor are mounted on the electronic module. The circuit board may be formed of ceramic foil, and the pressure sensor may be used to measure the oil pressure within the transmission.

USE/ADVANTAGE - In EGS (BMW). Provides unified design of module which can be delivered to vehicle manufacturer for installation into vehicle in situ.

Reduces assembly work load. Eliminates need for separate housing and extra wiring. Enables improved functionality and transmission switching.

CHOSEN-DRAWING: Dwg.2/2

TITLE-TERMS: AUTOMATIC TRANSMISSION GEAR CONTROL ARRANGE VEHICLE ELECTRO

HYDRAULIC ACTUATE HEAT RESISTOR CIRCUIT BOARD TEMPERATURE SENSE

ELECTRIC COMPONENT DRIVE ACTUATE FORMING MODULE INTEGRATE HOUSING TRANSMISSION

DERWENT-CLASS: Q13 Q64 V04 X22

EPI-CODES: V04-Q05; X22-G01;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1997-054918

